

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

11/08/2011

Casey Silvia  
Assistant District Attorney, Middlesex County

Dear ADA Silvia,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]  
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Stacey Desjardins.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Stacey Desjardins was the custodial chemist and performed the preliminary testing and net weight for this sample. Annie Dookhan was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

  
Annie Dookhan  
Chemist  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6622

## Curriculum Vitae

### Annie Khan (Dookhan)

#### **Education:**

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

#### **Experience:**

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

\*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

\*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

\*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

\*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

\*Maintenance and repairs of all analytical instruments.

\*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

\*Oversee the Quality Control/Quality Assurance program for the Drug Lab.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.

\*Notary Public.

\*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

\*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

\*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs).

\*Trained and supervised new chemists and interns for the department.

\*Routine QC testing of products for the FDA.

\*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

\*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

\*Complete testing of chemicals for Vendor Validation Project for the FDA.

\*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

#### **Additional Training:**

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP training with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS trainings with Agilent Technologies and Restek.

HPLC and LC/MS/MS trainings with Waters Cooperation.

FTIR training with Spectros.

TOC training with MBL and Sievers.

#### **Association:**

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

# **Stacey Lyn Desjardins**

stacey.feiden@state.ma.us

## **EDUCATION**

**Master of Science—Forensic Science**  
University of New Haven; West Haven, Connecticut  
May 2006

- Concentration: Criminalistics
- Certificate: Advanced Investigation

**Bachelor of Arts—Chemistry**  
Monmouth College; Monmouth, Illinois  
May 2004

- Graduated Cum Laude

## **EXPERIENCE**

**Chemist I**  
Massachusetts Department of Public Health; Jamaica Plain, Massachusetts  
March 2009-present

- Analyze unknown substances submitted by Massachusetts Law Enforcement Agencies
- Operate, maintain, and interpret data from analytical equipment (Gas Chromatograph, analytical balance, microscope, Ultraviolet Spectrometer, Infrared Spectrometer)
- Provide expert testimony to local, state, and federal courts in Massachusetts

**Teaching/Graduate Assistant**  
Monmouth College Chemistry Department  
University of New Haven Forensic Science Department  
January 2001-May 2006

- Supervised labs and answered student questions
- Performed demonstrations using forensic techniques and chemicals

**Additional work experience and references available upon request**

## **TRAINING**

- 2010: DEA Forensic Chemist Seminar—Washington DC
- 2009: Multijurisdictional Counterdrug Task Force Training on Current Drug Trends
- 2009: Six week training with Senior Staff at the Massachusetts Department of Public Health Drug Analysis Laboratory—appointed Assistant Analyst
- 2005: Internship with the New Hampshire State Crime Lab

## **COURSEWORK**

Biomedical Methods of Forensic Science, Criminal Procedure, Forensic Microscopy, Advanced Criminalistics I and II, Forensic Toxicology, Advanced Investigation I and II, Physical Analysis in Forensic Science, Organic Chemistry I and II, General Chemistry, Analytical Chemistry I and II, Physical Chemistry I, II, and III, Biochemistry, Advanced Inorganic Chemistry

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION



The Commonwealth of Massachusetts  
Executive Office of Health and Human Services

Boston Drug  
Laboratory  
Tel (617) 983-6622  
Fax (617) 983-6625

Department of Public Health  
State Laboratory Institute

Amherst Drug  
Laboratory  
Tel (413) 545-2601  
Fax (413) 545-2608

Boston Hours  
8:00 – 11:00  
2:00 – 4:00

Amherst Hours  
9:00 – 12:00  
1:00 – 4:00

DRUG RECEIPT

City or Department: Somerville Police Reference No.: [REDACTED]

Name and Rank of Submitting Officer: Det. Bernard

Defendant(s) Name (last, first, initial)  
[REDACTED]

Description of Samples	To be completed by Lab Personnel	
	Gross Weight	Lab Number
One white tablet	2.46g	<span style="background-color: black; color: black;">[REDACTED]</span>

Received by: EHO Date: 9-15-09

No. [REDACTED]

Date Analyzed: 10-29-09

City: Somerville Police Dept.

Officer: Detective DET. BARNARD

Def: [REDACTED]

Amount: 1.0

Subst: TAB

No. Cont: 1 Cont: pb

Date Rec'd: 09/15/2009

No. Analyzed:

Gross Wt.: 2.46✓

Net Weight: 0.22g

# Tests: 2SLF

\*2.980

Prelim:

Oxycodone  
CLASS B

Findings: Oxycodone

# DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED]

AGENCY Somerville

ANALYST SLF

No. of samples tested: \_\_\_\_\_

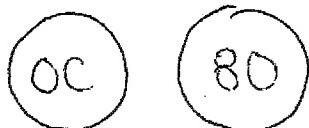
Evidence Wt. ✓

PHYSICAL DESCRIPTION: - signed + sealed  
- one white, round tablet  
w/ green writing

Gross Wt ( ): \_\_\_\_\_

Gross Wt ( ): \_\_\_\_\_

Pkg. Wt: \_\_\_\_\_

Net Wt: 0.22 g

- CLASS B

## PRELIMINARY TESTS

### Spot Tests

Cobalt Thiocyanate ( ) \_\_\_\_\_

Marquis \_\_\_\_\_

Froehde's \_\_\_\_\_

Mecke's \_\_\_\_\_

### Microcrystalline Tests

Gold Chloride \_\_\_\_\_

TLTA ( ) \_\_\_\_\_

### OTHER TESTS

Micromedex  
Drug Bible p. 258

## PRELIMINARY TEST RESULTS

RESULTS OXYcodoneDATE 10-27-09

## GC/MS CONFIRMATORY TEST

RESULTS OXYcodoneMS OPERATOR ASDDATE 10-29-09

**POISINDEX® Product List****Oxycontin****Regulatory-Status:** Schedule II**Ingredients****Active-Ingredient:** Oxycodone Hydrochloride - 80 MG**Excipients:** Ferric Oxide, Yellow  
Ammonio Methacrylate Copolymer  
Hypromellose  
Lactose  
Magnesium Stearate  
PEG-400  
Povidone  
Sodium Hydroxide  
Sorbitc Acid  
Stearyl Alcohol  
Talc  
Titanium Dioxide  
Triacetin  
FD&C Blue No. 2  
Hydroxypropyl Cellulose**Availability & Manufacturing****Availability:** United States**Available-Container-Sizes:** Box of 20; Bottle of 100; Strip of 25**Contact:** Purdue Pharmaceutical Products**Product ID:** 5718858**AAPCC Code:** 037705 - Oxycodone Alone or in Combination (Excluding Combination Products with Acetaminophen or Acetylsalicylic Acid)**Registry Numbers:**  
NDC 59011-107-20  
NDC 59011-107-10  
NDC 59011-107-25**Physical Description****Imprints:** OC - The tablet is Imprinted with OC on one side and 80 on the other side.  
80**Form:** Oral Tablet, Extended Release**Color:** Green**Shape:** Circle

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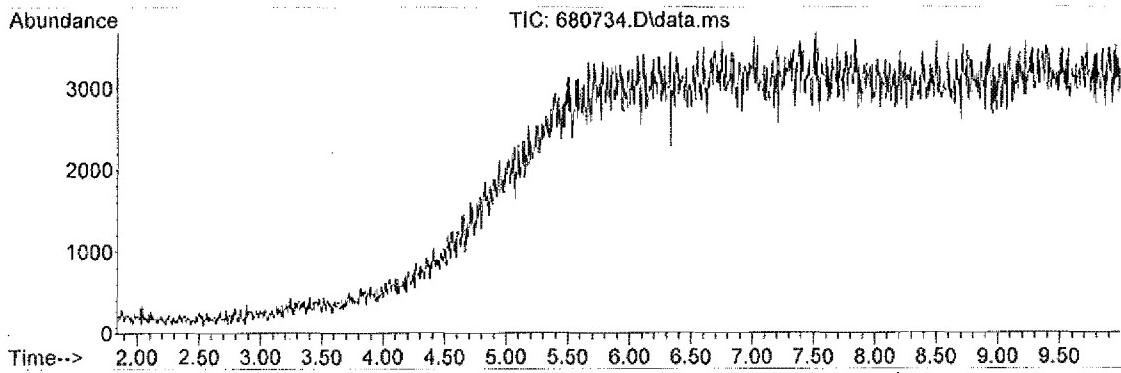
Area Percent / Library Search Report

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Operator : ASD  
Date Acquired : 28 Oct 2009 19:16  
Sample Name : BLANK  
Submitted by : SLF  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

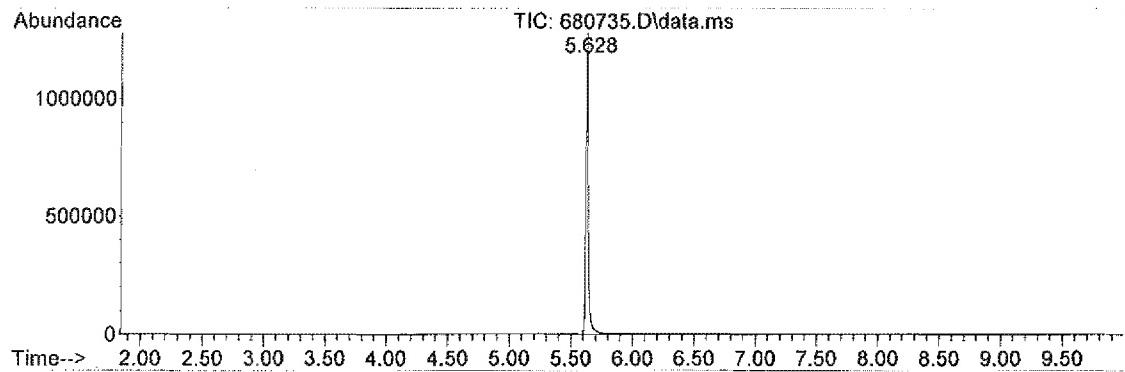
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\10\_28\_09\680735.D  
Operator : ASD  
Date Acquired : 28 Oct 2009 19:29  
Sample Name : OXYCODONE STD  
Submitted by : SLF  
Vial Number : 15  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
5.628	1696377	100.00	100.00

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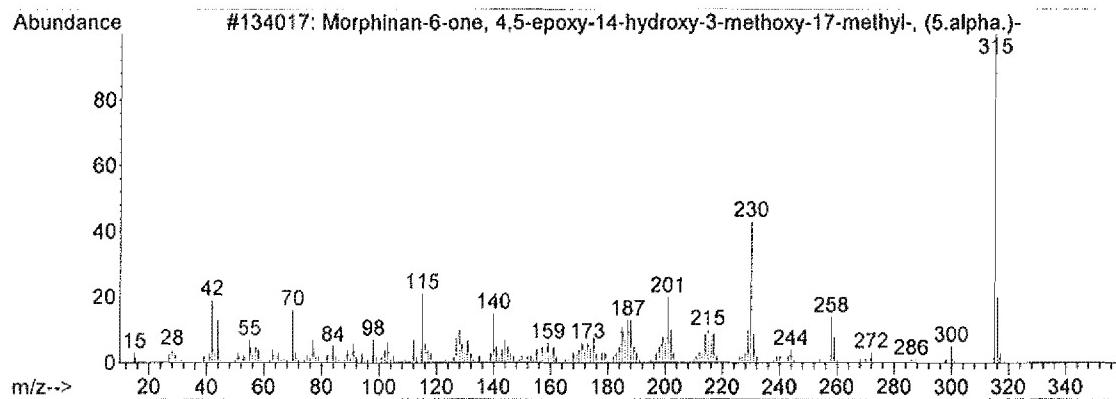
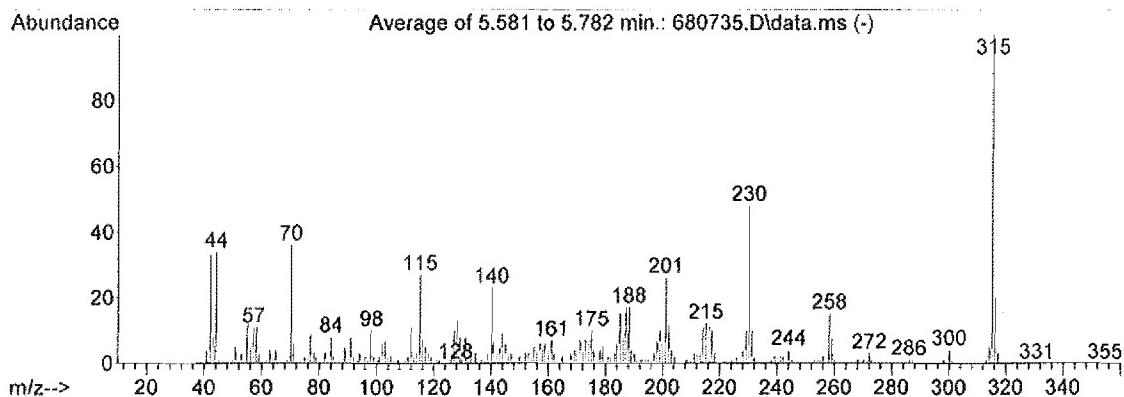
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\10\_28\_09\680735.D  
 Operator : ASD  
 Date Acquired : 28 Oct 2009 19:29  
 Sample Name : OXYCODONE STD  
 Submitted by : SLF  
 Vial Number : 15  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST05a.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	5.63	C:\Database\NIST05a.L		
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99



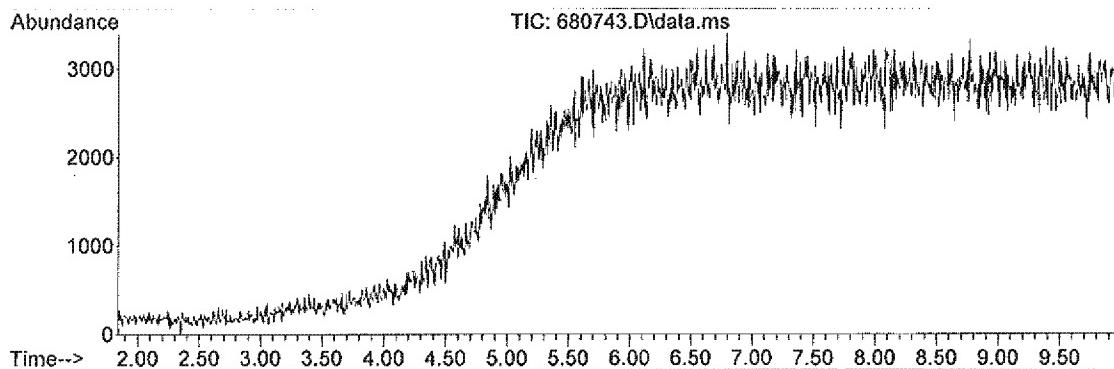
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\10\_28\_09\680743.D  
Operator : ASD  
Date Acquired : 28 Oct 2009 21:11  
Sample Name : BLANK  
Submitted by : SLF  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

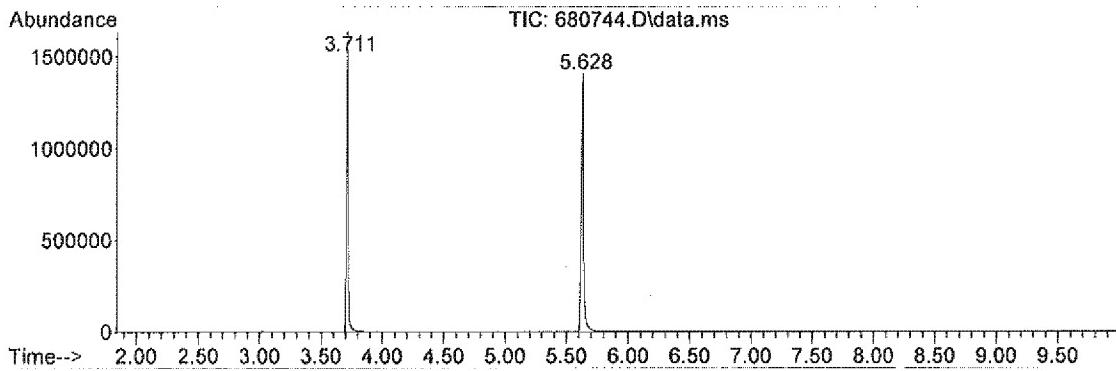
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\10\_28\_09\680744.D  
Operator : ASD  
Date Acquired : 28 Oct 2009 21:23  
Sample Name : XXXXXXXXXX  
Submitted by : SLF  
Vial Number : 44  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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5.628	1872249	57.33	100.00

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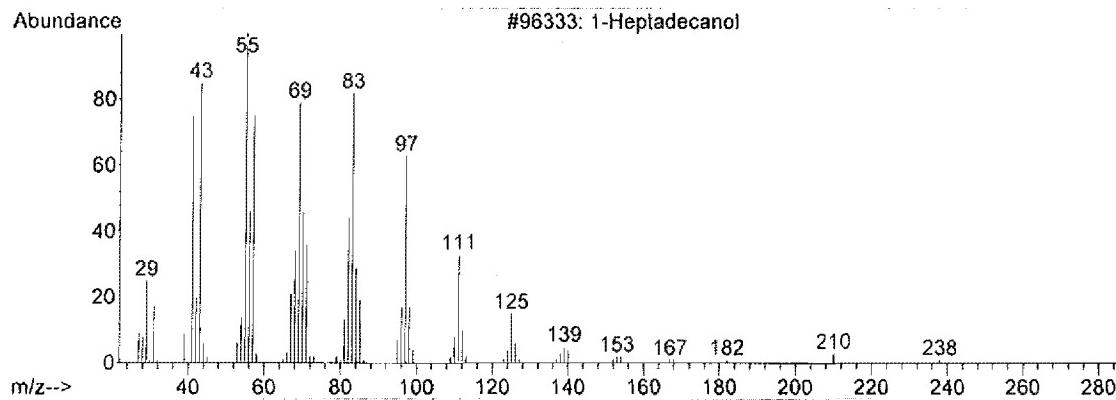
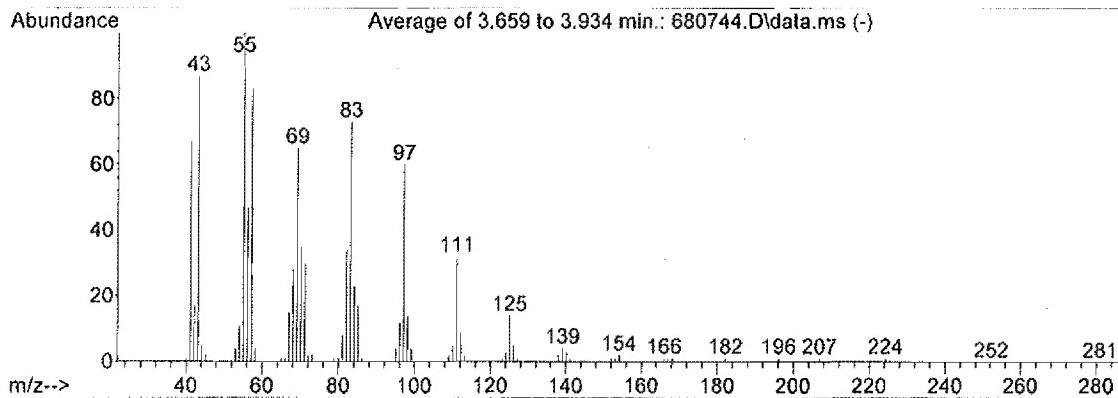
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\10\_28\_09\680744.D  
 Operator : ASD  
 Date Acquired : 28 Oct 2009 21:23  
 Sample Name : XXXXXXXXXX  
 Submitted by : SLF  
 Vial Number : 44  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries:	C:\Database\SLI.L	Minimum Quality: 80
	C:\Database\NIST05a.L	Minimum Quality: 80
	C:\Database\PMW_TOX2.L	

PK#	RT	Library/ID	CAS#	Qual
1	3.71	C:\Database\NIST05a.L		
		1-Heptadecanol	001454-85-9	95
		1-Hexadecanol	036653-82-4	94
		1-Nonadecene	018435-45-5	91



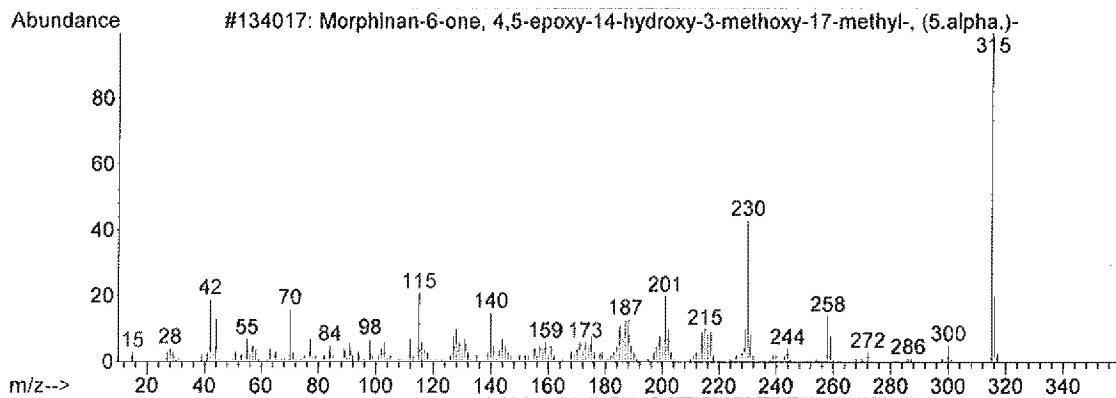
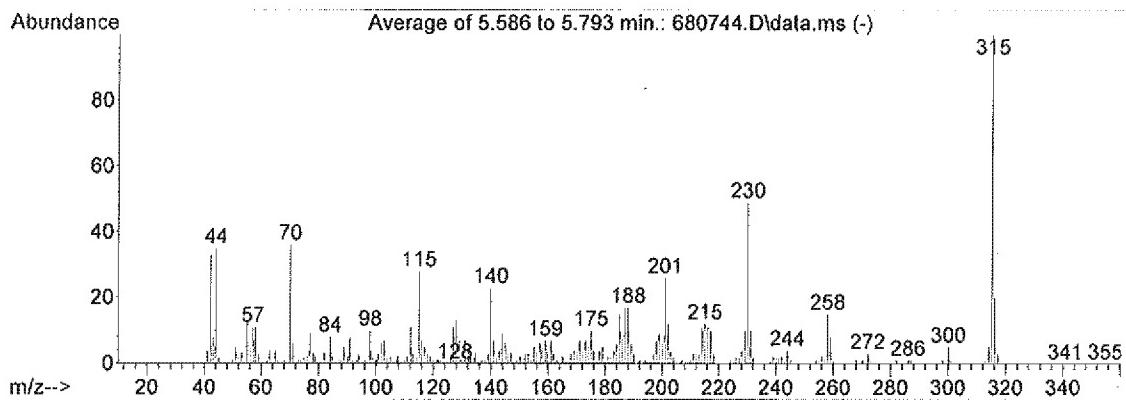
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\10\_28\_09\680744.D  
 Operator : ASD  
 Date Acquired : 28 Oct 2009 21:23  
 Sample Name : XXXXXXXXXX  
 Submitted by : SLF  
 Vial Number : 44  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST05a.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	5.63	C:\Database\NIST05a.L		
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99



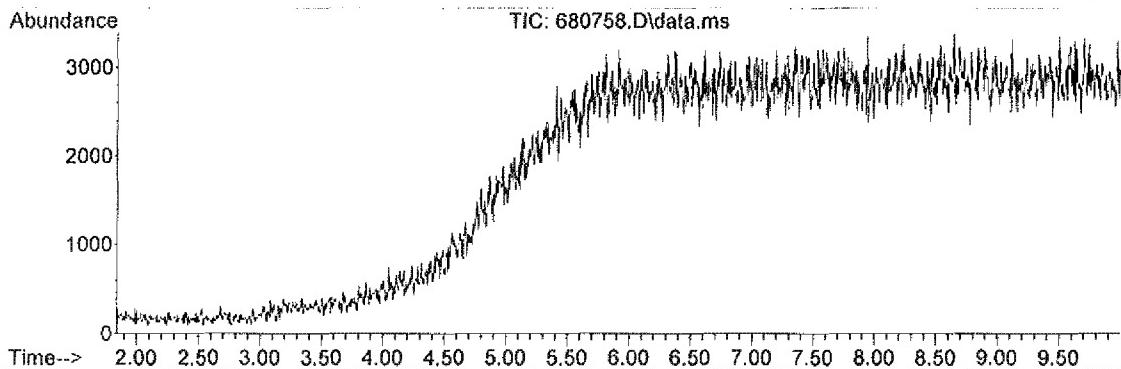
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\10\_28\_09\680758.D  
Operator : ASD  
Date Acquired : 29 Oct 2009 00:20  
Sample Name : BLANK  
Submitted by : SLF  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

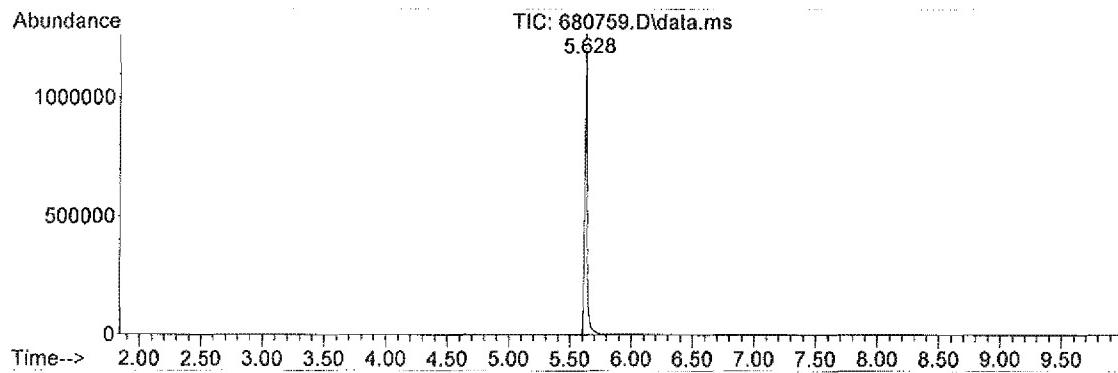
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\10\_28\_09\680759.D  
Operator : ASD  
Date Acquired : 29 Oct 2009 00:33  
Sample Name : OXYCODONE STD  
Submitted by : SLF  
Vial Number : 15  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
5.628	1662410	100.00	100.00

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Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2009\SYSTEM7\10\_28\_09\680759.D  
 Operator : ASD  
 Date Acquired : 29 Oct 2009 00:33  
 Sample Name : OXYCODONE STD  
 Submitted by : SLF  
 Vial Number : 15  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST05a.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	5.63	C:\Database\NIST05a.L		
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99

